

rated rays, did in the progress from its end p, on which the most refrangible rays fell, unto its other end t, on which the least refrangible rays fell, appear tinged with this Series of Colours, violet, indico, blue, green, yellow, orange, red, together with all their intermediate degrees in a continual succession perpetually varying: So that there appeared as many degrees of Colours, as there were sorts of rays differing in refrangibility.

EXPER. V.

Now that these Colours could not be changed by refraction, I knew by refracting with a Prism sometimes one very little part of this Light, sometimes another very little part, as is described in the 12th Experiment of the first Book. For by this refraction the Colour of the Light was never changed in the least. If any part of the red Light was refracted, it remained totally of the same red Colour as before. No orange, no yellow, no green, or blue, no other new Colour was produced by that refraction. Neither did the Colour any ways change by repeated refractions, but continued always the same red entirely as at first. The like constancy and immutability I found also in the blue, green, and other Colours. So also if I looked through a Prism upon any body illuminated with any part of this homogeneous Light, as in the 14th Experiment of the first Book is described; I could not perceive any new Colour generated this way. All Bodies illuminated with compound Light appear through Prisms confused (as was said above) and tinged with various new Colours, but those illuminated with homogeneous Light appeared through

through Prisms coloured, than when Colours were not of the interposition of the interposition change of Colour homogeneous, being to arise some little neity. But if that be made, by the fiction, that change Experiments which ted none at all.

And as these Colours, so neither white, grey, red. Paper, Ashes, red Silver, Copper, of Water tinged others, the tincture like, in red homogeneous blue Light total and so of other of any Colour to Colour, with the reflected that Light I never yet found homogeneous Light could